

Amendments to the Specification:

Please replace paragraph [0020] with the following amended paragraph:

[0020] In general, the present invention relates to systems and methods for implementing a contextual human interface to a control system. The particular examples involve a control panel that presents an interactive graphical user interface that generates commands typically ~~relate~~ related to operational commands to turn on/off a controlled device, adjust settings on a controlled device, query the status of a controlled device, and the like. The operational commands are communicated to a variety of controlled devices (e.g., fans, lights, media equipment ~~[[ant]]~~ and the like) that together make up a "controlled system". In accordance with the present invention, the human interface changes various features depending on the context in which the controlled system operates. These changes may involve altering the number and type of controls that are displayed, changing the size, color, or other features of a control, changing the focus of the graphical display, and the like.

Please replace paragraph [0037] with the following amended paragraph:

[0037] A second type of controlled device is coupled to a particular control panel 101/107 through a subsystem interface. For example, one control panel 101 couples to a lighting control subsystem 113 to control lights or lighting systems/devices 119 while another control panel 101 couples to an entertainment control subsystem 115 to control video device(s) 121 and audio equipment 123. The subsystem interfaces comprise, for example, a control device that is provided with a particular third-party subsystem that may have a special-purpose or proprietary signaling protocol. The control panel 101 couples to the subsystem interface using the physical, electrical, and signaling protocols adopted by that subsystem. For example, a serial connection such as an RS-232 or RS-485 connection is used in many cases.

Please replace paragraph [0038] with the following amended paragraph:

[0038] Alternatively, a subsystem interface may couple with hub 103 such as the case with analog subsystem interface 117. A variety of controlled devices are available such as security cameras, landscape controllers, telephony devices, HVAC systems, and the like 125 that do not communicate using standard computer protocols. An analog subsystem interface 117 implements control functions to the extent possible

with such devices 125 and provides a network interface for coupling to other systems. An example of such a system is a variety of X10 devices and controls marketed by X10 Wireless Technology, Inc. of Seattle, Washington.

Please replace paragraph [0064] with the following amended paragraph:

[0064] Upon entry of a valid code, the system transitions to the "arming" screen shown in Fig. 4D. Again, the arming screen includes very contextually relevant information including graphical elements that clearly communicate that the alarm system is arming.

Because the control panel 101 can present programmable, animated graphics, it becomes possible to present information, like an alarm countdown, using graphical techniques not possible in prior systems. Fig. 4D illustrates that in many automation tasks, the user interface requirements for entering information may vary significantly from the user interface requirements for displaying status information. Prior systems were forced to compromise to make a single interface that served both functions. However, the present invention allows the screen to retrain common, contextually-relevant features while altering components as needed to support both entering and displaying information. Upon activation of the alarm, the system transitions back to the home screen in the particular example. However, the home screen now appears as shown in Fig. ~~[[4D]]~~ 4E with updated information concerning the alarm status.

Additionally, some elements may change color, size, or shape to indicate the new status graphically. For example, the disarm system graphic appears red in the particular example whereas the "arm system" graphic appears green in Fig. 4A.

Please replace paragraph [0068] with the following amended paragraph:

[0068] Each screen shown in Fig. 5 includes common design elements as well as screen-specific or context-specific portions ~~501-508~~ 501, 502, 503, 504, 505, 506, 507, and 508. Each of these context-specific areas includes controls that display context-relevant information and/or enable a user to select context-relevant functions which will in turn initiate any number of other screens. For example, context area 501 in the home screen includes a control that displays thermostat information and, when activated, launches an HVAC scheduling screen such as shown in Fig. 4F. Context area 501 also includes alarm system information indicating current status of the alarm system as well as control, which when activated, initiate a transition to the enter code screen as shown in Fig. 5.